

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete If Known

Application Number	10/781,951
Filing Date	2004-02-18
First Named Inventor	WALTON; J. Rodney,
Art Unit	2474
Examiner Name	ALIA, Curtis A.

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2(a)} (known)			
	001	US5581583	12-03-1996	CONTI; Adello, et al.	
	002	US5668837	09-16-1997	DENT; Paul W.	
	003	US6144711	11-07-2000	RALEIGH; Gregory G., et al.	
	004	US6218985	04-17-2001	ADAMS; Richard C.	
	005	US6298035	10-02-2001	HEISKALA; Juha	
	006	US6496535	12-17-2002	XU; Guanghan	
	007	US6642888	11-04-2003	KISHIGAMI; Takaaki, et al.	
	008	US7065156	06-20-2006	KUCHI; Kiran	
	009	US7385617	06-10-2008	TAHAT; Ashraf A.	
	010	US7394754	07-01-2008	LI; Kuo Hui, et al.	
	011	US7529177	05-05-2009	CELEBI; Samel, et al.	
	012	US7583747	09-01-2009	DAMEN; Mohamed O., et al.	
	013	US7593317	09-22-2009	YUDA; Yasuaki, et al.	
	014	US20020193146	12-19-2002	WALLACE; Mark, et al.	
	015	US20030123567	07-03-2003	SHIGEMASA; Haruhiko, et al.	
	016	US20050026570	02-03-2005	HAN; Jae-Hee	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	017	EP1073214A1	01-31-2001	mitsubishi electric corp [JP]		<input type="checkbox"/>
	018	EP1185001	03-06-2002	NORTEL NETWORKS LTD [CA]		<input type="checkbox"/>
	019	JP11205026A	07-30-1999	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	020	JP2002503048T	01-29-2002	ARRAYCOMM INC [US]		<input checked="" type="checkbox"/>

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		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
	021	JP2004064654A	02-26-2004	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	022	JP2004072150A	03-04-2004	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	023	JP2004096753A	03-25-2004	AGERE SYSTEMS INC.		<input checked="" type="checkbox"/>
	024	JP2004104790A	04-02-2004	MITSUBISHI ELECTRIC INFORMATION TECHNOLOGY CENTRE EUROPA BV.		<input checked="" type="checkbox"/>
	025	JP2005524331T	08-11-2005	MOTOROLA INCORPORATED.		<input checked="" type="checkbox"/>
	026	JP2007515829T	06-14-2007	NTT DOCOMO INC [JP]		<input checked="" type="checkbox"/>
	027	JP2007523549T	08-16-2007	NTT DOCOMO INC [JP]		<input checked="" type="checkbox"/>
	028	JP2007523550T	08-16-2007	NTT DOCOMO INC [JP]		<input checked="" type="checkbox"/>
	029	JP2007529972T	10-25-2007	INTEL CORP [US]		<input checked="" type="checkbox"/>
	030	JP2007538414T	12-27-2007	DOCOMO COMM LAB EUROPE GMBH [DE]		<input checked="" type="checkbox"/>
	031	WO0225857A1	03-28-2002	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	032	WO03063526A1	07-31-2003	FUJITSU LTD [JP], et al.		<input type="checkbox"/>
	033	WO03094386A1	11-13-2003	MOTOROLA INC [US], et al.		<input type="checkbox"/>
	034	WO2005099211A1	10-20-2005	INTEL CORP [US], et al.		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume- issue number(s), publisher, city and/or country where published.	T2
	035	AUER, G., "CHANNEL ESTIMATION FOR OFDM WITH CYCLIC DELAY DIVERSITY," PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS, 2004. PIMRC 2004, 15TH IEEE INTERNATIONAL SYMPOSIUM ON SEPTEMBER 5, 2004, VOL. 3, PP. 1792-1796.	<input type="checkbox"/>
	036	Bauch, et al., "Orthogonal Frequency Division Multiple Access with Cyclic Delay Diversity," ITG Workshop on Smart Antennas, Munich Germany, March 18-19, 2004, pp. 17-24.	<input type="checkbox"/>
	037	SHARIF, M. et al. "On The Capacity of MIMO Broadcast Channel with Partial Side	<input type="checkbox"/>

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		Information," CONFERENCE RECORD OF THE THIRTY-SEVENTH ASIOMAR CONFERENCE, November 12, 2003.	
	038	Winters, J. "Smart antennas for wireless systems", IEEE Personal Communications, December 5, 2003, pp. 1-113.	<input type="checkbox"/>

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